

## ABSTRACT

A wireless apparatus 1 receives reception quality information, propagation environment information, and block error rate detection information from a wireless apparatus of the other end of communication together with a data signal, and the target error rate selecting unit 7 selects any one of a plurality of tables in which target block error rates of respective ones of a plurality of transmission modes are registered in accordance with propagation environment information. The threshold value control unit 8 controls the threshold value of the reception quality to select the transmission mode by the control amount on the basis of the target block error rate in accordance with error rate detection information. The transmission mode selecting unit 9 compares reception quality information with the threshold value, selects any one of the transmission modes, and makes the selected one into the transmission mode to the wireless apparatus of the other end of communication.